

Langerhans Cell Histiocytosis Market: Epidemiology, Industry Trends, Share, Size, Growth, Opportunity, and Forecast 2024-2034

<https://marketpublishers.com/r/LB45456BBD88EN.html>

Date: May 2024

Pages: 134

Price: US\$ 6,499.00 (Single User License)

ID: LB45456BBD88EN

Abstracts

The Langerhans cell histiocytosis market reached a value of US\$ 406.7 Million across the top 7 markets (US, EU4, UK, and Japan) in 2023. Looking forward, IMARC Group expects the 7MM to reach US\$ 683.9 Million by 2034, exhibiting a growth rate (CAGR) of 4.84% during 2024-2034.

The Langerhans cell histiocytosis market has been comprehensively analyzed in IMARC's new report titled "Langerhans Cell Histiocytosis Market: Epidemiology, Industry Trends, Share, Size, Growth, Opportunity, and Forecast 2024-2034". Langerhans cell histiocytosis (LCH) refers to a medical condition characterized by the overgrowth of abnormal Langerhans cells, a type of immune cell, in various tissues and organs. These cells normally play a crucial role in the body's immune response, but in LCH, they become overactive and accumulate, forming tumors or lesions. The symptoms of the illness can vary depending on the affected areas; however, they commonly include bone pain, skin rashes, fever, fatigue, and swollen lymph nodes. In more severe cases, it may lead to organ dysfunction and life-threatening complications. Diagnosing LCH can be challenging due to its rarity and the diversity of its clinical presentations. The healthcare provider often starts with a detailed medical history and physical examination, followed by imaging studies, such as X-rays, CT scans, or MRIs, to detect bone lesions or organ involvement. A biopsy of the affected tissues is essential to confirm the presence of abnormal Langerhans cells.

The rising cases of autoimmune disorders, which can cause abnormal accumulation of immune cells, leading to the formation of tumors or lesions in various parts of the body, are primarily driving the Langerhans cell histiocytosis market. In addition to this, the inflating adoption of effective treatment options, such as chemotherapy and steroids, to

manage LCH and halt the progression of the ailment is also bolstering market growth. Moreover, the escalating utilization of immunotherapies, which can harness the body's immune system to combat abnormal Langerhans cells, is creating a positive outlook for the market. Apart from this, the widespread implementation of supportive care strategies, including pain management and symptom relief, is proving to be vital in enhancing the quality of life for LCH patients, thereby contributing to market expansion. Additionally, the increasing collaboration between pharmaceutical companies, research institutions, and regulatory bodies is fostering the development of novel and more effective regimens for LCH. This, in turn, is acting as another significant growth-inducing factor. Furthermore, the emerging popularity of targeted therapies, since they are designed according to individual patient's genetic profiles and aim to improve treatment outcomes as well as reduce adverse effects, is expected to drive the Langerhans cell histiocytosis market during the forecast period.

IMARC Group's new report provides an exhaustive analysis of the Langerhans cell histiocytosis market in the United States, EU4 (Germany, Spain, Italy, and France), United Kingdom, and Japan. This includes treatment practices, in-market and pipeline drugs, share of individual therapies, market performance across the seven major markets, market performance of key companies and their drugs, etc. The report also provides the current and future patient pool across the seven major markets. According to the report, the United States has the largest patient pool for Langerhans cell histiocytosis and also represents the largest market for its treatment. Furthermore, the current treatment practice/algorithm, market drivers, challenges, opportunities, reimbursement scenario, unmet medical needs, etc., have also been provided in the report. This report is a must-read for manufacturers, investors, business strategists, researchers, consultants, and all those who have any kind of stake or are planning to foray into the Langerhans cell histiocytosis market in any manner.

Recent Developments:

In February 2024, Children's Hospital Medical Center in Cincinnati announced a Phase 2 clinical trial study to assess whether treatment using Mirdametinib might offer improved efficacy and reduced side effects compared to current treatments in patients diagnosed with Langerhans cell histiocytosis (LCH) or other histiocytic disorders.

In October 2023, Novartis Pharmaceuticals stated in a press release about the phase 4 clinical study of dabrafenib and trametinib to evaluate the prolonged impact of combination drugs in pediatric patients.

In September 2023, Dana-Farber Cancer Institute initiated Phase 2 clinical trials to explore the potential of Clofarabine in treating Langerhans Cell Histiocytosis (LCH) and other histiocytic disorders.

In June 2023, Shanghai Henlius Biotech stated in its press release about the Phase 2 clinical trials of HLX208 to assess the safety, effectiveness, and pharmacokinetics in adults diagnosed with Langerhans Cell Histiocytosis (LCH) and Erdheim-Chester Disease (ECD).

Key Highlights:

The prevalence of Langerhans cell histiocytosis is estimated to be 1-2/100,000, and its annual incidence rate ranges from 0.5-5.4 cases per million persons per year, according to the reports.

Langerhans cell histiocytosis is frequently detected during childhood, commonly around the ages of 2 to 3 years, although it can emerge at any point in life.

In Langerhans cell histiocytosis most commonly affected organ is bone (in 80% of cases), followed by the skin, and then the pituitary gland.

In Langerhans cell histiocytosis, males are typically impacted more frequently than females, with some studies indicating a male-to-female ratio exceeding 2:1.4.

Drugs:

Cobimetinib is a pipeline drug that functions by inhibiting the activation of Mitogen-Activated Protein Kinase (MEK) protein, which plays a role in aberrant growth signaling pathways within histiocytosis cells.

Clofarabine is a pipeline drug that belongs to the class of small molecule, Apoptosis stimulants, and DNA synthesis inhibitors are its mechanism of action. It has proven effective as a secondary therapeutic choice for individuals with Langerhans cell histiocytosis (LCH).

Lenalidomide, an immunomodulatory drug (IMiD) and a structural analog of Thalidomide, has been formulated and synthesized by Celgene. It is currently undergoing phase 2 trials for the treatment of Langerhans cell histiocytosis (LCH).

Time Period of the Study

Base Year: 2023

Historical Period: 2018-2023

Market Forecast: 2024-2034

Countries Covered

United States
Germany
France
United Kingdom
Italy
Spain
Japan

Analysis Covered Across Each Country

Historical, current, and future epidemiology scenario
Historical, current, and future performance of the Langerhans cell histiocytosis market
Historical, current, and future performance of various therapeutic categories in the market
Sales of various drugs across the Langerhans cell histiocytosis market
Reimbursement scenario in the market
In-market and pipeline drugs

Competitive Landscape:

This report also provides a detailed analysis of the current Langerhans cell histiocytosis marketed drugs and late-stage pipeline drugs.

In-Market Drugs

Drug Overview
Mechanism of Action
Regulatory Status
Clinical Trial Results
Drug Uptake and Market Performance

Late-Stage Pipeline Drugs

Drug Overview
Mechanism of Action
Regulatory Status
Clinical Trial Results
Drug Uptake and Market Performance

*Kindly note that the drugs in the above table only represent a partial list of

marketed/pipeline drugs, and the complete list has been provided in the report.

Key Questions Answered in this Report:

Market Insights

How has the Langerhans cell histiocytosis market performed so far and how will it perform in the coming years?

What are the markets shares of various therapeutic segments in 2023 and how are they expected to perform till 2034?

What was the country-wise size of the Langerhans cell histiocytosis market across the seven major markets in 2023 and what will it look like in 2034?

What is the growth rate of the Langerhans cell histiocytosis market across the seven major markets and what will be the expected growth over the next ten years?

What are the key unmet needs in the market?

Epidemiology Insights

What is the number of prevalent cases (2018-2034) of Langerhans cell histiocytosis across the seven major markets?

What is the number of prevalent cases (2018-2034) of Langerhans cell histiocytosis by age across the seven major markets?

What is the number of prevalent cases (2018-2034) of Langerhans cell histiocytosis by gender across the seven major markets?

How many patients are diagnosed (2018-2034) with Langerhans cell histiocytosis across the seven major markets?

What is the size of the Langerhans cell histiocytosis patient pool (2018-2023) across the seven major markets?

What would be the forecasted patient pool (2024-2034) across the seven major markets?

What are the key factors driving the epidemiological trend of Langerhans cell histiocytosis?

What will be the growth rate of patients across the seven major markets?

Langerhans Cell Histiocytosis: Current Treatment Scenario, Marketed Drugs and Emerging Therapies

What are the current marketed drugs and what are their market performance?

What are the key pipeline drugs and how are they expected to perform in the coming

years?

How safe are the current marketed drugs and what are their efficacies?

How safe are the late-stage pipeline drugs and what are their efficacies?

What are the current treatment guidelines for Langerhans cell histiocytosis drugs across the seven major markets?

Who are the key companies in the market and what are their market shares?

What are the key mergers and acquisitions, licensing activities, collaborations, etc. related to the Langerhans cell histiocytosis market?

What are the key regulatory events related to the Langerhans cell histiocytosis market?

What is the structure of clinical trial landscape by status related to the Langerhans cell histiocytosis market?

What is the structure of clinical trial landscape by phase related to the Langerhans cell histiocytosis market?

What is the structure of clinical trial landscape by route of administration related to the Langerhans cell histiocytosis market?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 LANGERHANS CELL HISTIOCYTOSIS - INTRODUCTION

- 4.1 Overview
- 4.2 Regulatory Process
- 4.3 Epidemiology (2018-2023) and Forecast (2024-2034)
- 4.4 Market Overview (2018-2023) and Forecast (2024-2034)
- 4.5 Competitive Intelligence

5 LANGERHANS CELL HISTIOCYTOSIS - DISEASE OVERVIEW

- 5.1 Introduction
- 5.2 Symptoms and Diagnosis
- 5.3 Pathophysiology
- 5.4 Causes and Risk Factors
- 5.5 Treatment

6 PATIENT JOURNEY

7 LANGERHANS CELL HISTIOCYTOSIS - EPIDEMIOLOGY AND PATIENT POPULATION

- 7.1 Epidemiology - Key Insights
- 7.2 Epidemiology Scenario - Top 7 Markets
 - 7.2.1 Epidemiology Scenario (2018-2023)
 - 7.2.2 Epidemiology Forecast (2024-2034)
 - 7.2.3 Epidemiology by Age (2018-2034)
 - 7.2.4 Epidemiology by Gender (2018-2034)
 - 7.2.5 Diagnosed Cases (2018-2034)
 - 7.2.6 Patient Pool/Treated Cases (2018-2034)
- 7.3 Epidemiology Scenario - United States
 - 7.3.1 Epidemiology Scenario (2018-2023)
 - 7.3.2 Epidemiology Forecast (2024-2034)
 - 7.3.3 Epidemiology by Age (2018-2034)
 - 7.3.4 Epidemiology by Gender (2018-2034)
 - 7.3.5 Diagnosed Cases (2018-2034)
 - 7.3.6 Patient Pool/Treated Cases (2018-2034)
- 7.4 Epidemiology Scenario - Germany
 - 7.4.1 Epidemiology Scenario (2018-2023)
 - 7.4.2 Epidemiology Forecast (2024-2034)
 - 7.4.3 Epidemiology by Age (2018-2034)
 - 7.4.4 Epidemiology by Gender (2018-2034)
 - 7.4.5 Diagnosed Cases (2018-2034)
 - 7.4.6 Patient Pool/Treated Cases (2018-2034)
- 7.5 Epidemiology Scenario - France
 - 7.5.1 Epidemiology Scenario (2018-2023)
 - 7.5.2 Epidemiology Forecast (2024-2034)
 - 7.5.3 Epidemiology by Age (2018-2034)
 - 7.5.4 Epidemiology by Gender (2018-2034)
 - 7.5.5 Diagnosed Cases (2018-2034)
 - 7.5.6 Patient Pool/Treated Cases (2018-2034)
- 7.6 Epidemiology Scenario - United Kingdom
 - 7.6.1 Epidemiology Scenario (2018-2023)
 - 7.6.2 Epidemiology Forecast (2024-2034)
 - 7.6.3 Epidemiology by Age (2018-2034)
 - 7.6.4 Epidemiology by Gender (2018-2034)
 - 7.6.5 Diagnosed Cases (2018-2034)
 - 7.6.6 Patient Pool/Treated Cases (2018-2034)
- 7.7 Epidemiology Scenario - Italy
 - 7.7.1 Epidemiology Scenario (2018-2023)
 - 7.7.2 Epidemiology Forecast (2024-2034)

- 7.7.3 Epidemiology by Age (2018-2034)
- 7.7.4 Epidemiology by Gender (2018-2034)
- 7.7.5 Diagnosed Cases (2018-2034)
- 7.7.6 Patient Pool/Treated Cases (2018-2034)
- 7.8 Epidemiology Scenario - Spain
 - 7.8.1 Epidemiology Scenario (2018-2023)
 - 7.8.2 Epidemiology Forecast (2024-2034)
 - 7.8.3 Epidemiology by Age (2018-2034)
 - 7.8.4 Epidemiology by Gender (2018-2034)
 - 7.8.5 Diagnosed Cases (2018-2034)
 - 7.8.6 Patient Pool/Treated Cases (2018-2034)
- 7.9 Epidemiology Scenario - Japan
 - 7.9.1 Epidemiology Scenario (2018-2023)
 - 7.9.2 Epidemiology Forecast (2024-2034)
 - 7.9.3 Epidemiology by Age (2018-2034)
 - 7.9.4 Epidemiology by Gender (2018-2034)
 - 7.9.5 Diagnosed Cases (2018-2034)
 - 7.9.6 Patient Pool/Treated Cases (2018-2034)

8 LANGERHANS CELL HISTIOCYTOSIS - TREATMENT ALGORITHM, GUIDELINES, AND MEDICAL PRACTICES

- 8.1 Guidelines, Management and Treatment
- 8.2 Treatment Algorithm

9 LANGERHANS CELL HISTIOCYTOSIS - UNMET NEEDS

10 LANGERHANS CELL HISTIOCYTOSIS - KEY ENDPOINTS OF TREATMENT

11 LANGERHANS CELL HISTIOCYTOSIS - MARKETED PRODUCTS

- 11.1 List of Langerhans Cell Histiocytosis Marketed Drugs Across the Top 7 Markets
 - 11.1.1 Drug Name – Company Name
 - 11.1.1.1 Drug Overview
 - 11.1.1.2 Mechanism of Action
 - 11.1.1.3 Regulatory Status
 - 11.1.1.4 Clinical Trial Results
 - 11.1.1.5 Sales Across Major Markets

Kindly note that the complete list of marketed drugs has been provided in the report.

12 LANGERHANS CELL HISTIOCYTOSIS - PIPELINE DRUGS

12.1 List of Langerhans Cell Histiocytosis Pipeline Drugs Across the Top 7 Markets

12.1.1 Lenalidomide - Celgene Corporation

12.1.1.1 Drug Overview

12.1.1.2 Mechanism of Action

12.1.1.3 Clinical Trial Results

12.1.1.4 Safety and Efficacy

12.1.1.5 Regulatory Status

12.1.2 Cobimetinib - Genentech/Exelixis

12.1.2.1 Drug Overview

12.1.2.2 Mechanism of Action

12.1.2.3 Clinical Trial Results

12.1.2.4 Safety and Efficacy

12.1.2.5 Regulatory Status

12.1.3 Clofarabine - Sanofi

12.1.3.1 Drug Overview

12.1.3.2 Mechanism of Action

12.1.3.3 Clinical Trial Results

12.1.3.4 Safety and Efficacy

12.1.3.5 Regulatory Status

Kindly note that the above only represents a partial list of pipeline drugs, and the complete list has been provided in the report.

13. LANGERHANS CELL HISTIOCYTOSIS - ATTRIBUTE ANALYSIS OF KEY MARKETED AND PIPELINE DRUGS

14. LANGERHANS CELL HISTIOCYTOSIS – CLINICAL TRIAL LANDSCAPE

14.1 Drugs by Status

14.2 Drugs by Phase

14.3 Drugs by Route of Administration

14.4 Key Regulatory Events

15 LANGERHANS CELL HISTIOCYTOSIS - MARKET SCENARIO

15.1 Market Scenario - Key Insights

15.2 Market Scenario - Top 7 Markets

- 15.2.1 Langerhans Cell Histiocytosis - Market Size
 - 15.2.1.1 Market Size (2018-2023)
 - 15.2.1.2 Market Forecast (2024-2034)
- 15.2.2 Langerhans Cell Histiocytosis - Market Size by Therapies
 - 15.2.2.1 Market Size by Therapies (2018-2023)
 - 15.2.2.2 Market Forecast by Therapies (2024-2034)
- 15.3 Market Scenario - United States
 - 15.3.1 Langerhans Cell Histiocytosis - Market Size
 - 15.3.1.1 Market Size (2018-2023)
 - 15.3.1.2 Market Forecast (2024-2034)
 - 15.3.2 Langerhans Cell Histiocytosis - Market Size by Therapies
 - 15.3.2.1 Market Size by Therapies (2018-2023)
 - 15.3.2.2 Market Forecast by Therapies (2024-2034)
 - 15.3.3 Langerhans Cell Histiocytosis - Access and Reimbursement Overview
- 15.4 Market Scenario - Germany
 - 15.4.1 Langerhans Cell Histiocytosis - Market Size
 - 15.4.1.1 Market Size (2018-2023)
 - 15.4.1.2 Market Forecast (2024-2034)
 - 15.4.2 Langerhans Cell Histiocytosis - Market Size by Therapies
 - 15.4.2.1 Market Size by Therapies (2018-2023)
 - 15.4.2.2 Market Forecast by Therapies (2024-2034)
 - 15.4.3 Langerhans Cell Histiocytosis - Access and Reimbursement Overview
- 15.5 Market Scenario - France
 - 15.5.1 Langerhans Cell Histiocytosis - Market Size
 - 15.5.1.1 Market Size (2018-2023)
 - 15.5.1.2 Market Forecast (2024-2034)
 - 15.5.2 Langerhans Cell Histiocytosis - Market Size by Therapies
 - 15.5.2.1 Market Size by Therapies (2018-2023)
 - 15.5.2.2 Market Forecast by Therapies (2024-2034)
 - 15.5.3 Langerhans Cell Histiocytosis - Access and Reimbursement Overview
- 15.6 Market Scenario - United Kingdom
 - 15.6.1 Langerhans Cell Histiocytosis - Market Size
 - 15.6.1.1 Market Size (2018-2023)
 - 15.6.1.2 Market Forecast (2024-2034)
 - 15.6.2 Langerhans Cell Histiocytosis - Market Size by Therapies
 - 15.6.2.1 Market Size by Therapies (2018-2023)
 - 15.6.2.2 Market Forecast by Therapies (2024-2034)
 - 15.6.3 Langerhans Cell Histiocytosis - Access and Reimbursement Overview
- 15.7 Market Scenario - Italy

- 15.7.1 Langerhans Cell Histiocytosis - Market Size
 - 15.7.1.1 Market Size (2018-2023)
 - 15.7.1.2 Market Forecast (2024-2034)
- 15.7.2 Langerhans Cell Histiocytosis - Market Size by Therapies
 - 15.7.2.1 Market Size by Therapies (2018-2023)
 - 15.7.2.2 Market Forecast by Therapies (2024-2034)
- 15.7.3 Langerhans Cell Histiocytosis - Access and Reimbursement Overview
- 15.8 Market Scenario - Spain
 - 15.8.1 Langerhans Cell Histiocytosis - Market Size
 - 15.8.1.1 Market Size (2018-2023)
 - 15.8.1.2 Market Forecast (2024-2034)
 - 15.8.2 Langerhans Cell Histiocytosis - Market Size by Therapies
 - 15.8.2.1 Market Size by Therapies (2018-2023)
 - 15.8.2.2 Market Forecast by Therapies (2024-2034)
 - 15.8.3 Langerhans Cell Histiocytosis - Access and Reimbursement Overview
- 15.9 Market Scenario - Japan
 - 15.9.1 Langerhans Cell Histiocytosis - Market Size
 - 15.9.1.1 Market Size (2018-2023)
 - 15.9.1.2 Market Forecast (2024-2034)
 - 15.9.2 Langerhans Cell Histiocytosis - Market Size by Therapies
 - 15.9.2.1 Market Size by Therapies (2018-2023)
 - 15.9.2.2 Market Forecast by Therapies (2024-2034)
 - 15.9.3 Langerhans Cell Histiocytosis - Access and Reimbursement Overview

16 LANGERHANS CELL HISTIOCYTOSIS - RECENT EVENTS AND INPUTS FROM KEY OPINION LEADERS

17 LANGERHANS CELL HISTIOCYTOSIS MARKET - SWOT ANALYSIS

- 17.1 Strengths
- 17.2 Weaknesses
- 17.3 Opportunities
- 17.4 Threats

18 LANGERHANS CELL HISTIOCYTOSIS MARKET – STRATEGIC RECOMMENDATIONS

19 APPENDIX

I would like to order

Product name: Langerhans Cell Histiocytosis Market: Epidemiology, Industry Trends, Share, Size, Growth, Opportunity, and Forecast 2024-2034

Product link: <https://marketpublishers.com/r/LB45456BBD88EN.html>

Price: US\$ 6,499.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/LB45456BBD88EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

